

## All COR ISO Recommendations

### Latent Condition, Seismic and ISS

Wednesday, October 03, 2012 2:30:10 PM

Type	Rec #	ABU	Unit	Year (I/R)	LC or ISS Question #	LC Question ISS Question Seismic Area	Observation	Recommendation	Resolution	Duc Date	Assigned To	Status
Latent Condition	600	D&R	JHT	2008	4-69	Are the control building air conditioning and pressurization adequate to prevent intrusion of toxics, flammables, or corrosive contaminants (if applicable)?	There are concerns that there are enough leaks from the building, including the door to the outside near the lab, to prevent the building from being pressurized. There is an MOC open to install a low pressure alarm in the control room that has not been c	Consider relocating the handicap access door to another location (in the front side of the building) and installing a door like the other ones in the control room at this location near the lab. The handicap access door should close automatically. Locate	The on/off switch for the automatic door has been set up with a clasp that can be locked in the on position. A lock will be installed for this and the key will be held by maintenance and the head operator. Relocating the automatic door was investigated bu	8/28/2009	Wilson, Clifford P.	Completed
Latent Condition	601	D&R	JHT	2008	3-50	Does the level of automation allow sufficient operator involvement so operators do not feel detached from the process, particularly during emergency situations where they must assume manual control?1	Plant is normally running on optimized computer control. Operators monitor and adjust key parameters but don't interact heavily with the plant. CBO refresher training should be revised to include simulated CBO emergency operations.	CBO refresher training should be revised to include simulated CBO emergency operations.	At present there is not a simulation built for this unit and there is not a plan to build one.	8/28/2009	Wilson, Clifford P.	Completed
Latent Condition	602	D&R	JHT	2008	3-13	Are all equipment labels (e.g., vessels, piping, valves, instrumentation, etc.) easy to read (clear and in good condition)?	JHT equipment labeling is easy to read however, not all piping labels are clear and in good condition, especially near the plot limit.	Piping is not completely labeled - especially at the plot limit where the lines are not near the equipment. Some labels are removed when insulation is removed and replaced.  Consider conducting a survey of the plant and replace/renew labels as needed.	A list of equipment and lines to be labeled has been submitted with work order number 296500 to complete this. This work will be completed by 12/24/09	8/28/2009	Wilson, Clifford P.	Completed
Latent Condition	603	D&R	JHT	2008	1-5	Do operators have sufficient knowledge to safely operate or shutdown the unit in emergency situations where they must assume manual control?	No, in some cases, less experienced PCO's may not have the knowledge to assume manual control to safely operate or shutdown the unit in emergency situations.	Concern is that the PCOs do not know how to set up or reset the simulator exercises. It would be beneficial to have operators run the plant on the simulator to practice manual and emergency operations.  Consider making assistance available to allow PCOs	The plan for the simulator installed in the control room was to have the section trainers train the head operators to operate the simulator to train the PCOs. After the simulator was installed we were informed by the Development Department that only a sel	8/28/2009	Wilson, Clifford P.	Completed

## All COR ISO Recommendations

### Latent Condition, Seismic and ISS

Wednesday, October 03, 2012 2:30:10 PM

Type	Rec #	ABU	Unit	Year (I/R)	LC or ISS Question #	LC Question ISS Question Seismic Area	Observation	Recommendation	Resolution	Duc Date	Assigned To	Status
Latent Condition	604	D&R	JHT	2008	1-4	Are the worker's knowledge, skills, and abilities adequate to perform the job safely?	Yes. Operators have been trained to perform the job safely. Operators must complete break-in training successfully before being allowed to solo.  Simulator training is available, but there is no trainer available to facilitate on-shift simulator traini	Concern is that the PCOs do not know how to set up or reset the simulator exercises.  Consider making assistance available to allow PCOs to perform simulator exercises in the control room while on shift when time is available.	The plan for the simulator was to have the trainer train Head Operators how to operator the simulator to allow for training of the PCOs. But after the simulator was installed we were informed by the Development Department that there was only a select numb	8/28/2009	Wilson, Clifford P.	Completed
Seismic	472	D&R	JHT	2008		K-242	Cracked pedestal concrete and corroded anchor bolts at 1st stage discharge damper	Repair pedestal and replace corroded anchor bolts	DED issued EWO # 4419 for repair. JT Thorpe inspected area (week of 11/30/09). Permit for work to be issued Fri. 12/18/09 or before. Maintenance to schedule work per approved repair plan ASAP. (Task 05)	8/28/2009	Lee, Gerald W.	Completed
Seismic	473	D&R	JHT	2008		C-240	Reflux line channel supports on side of column are canted upward	Inspect attachment welds and consider pipe stress analysis	C-240 Repair Pipe Supports on Reflux Inlet Line BF-10 was completed during the 4Q 2011 Major S/D. This was a code job and code package is available from D&R westside inspector David Dail as needed. Completion date was 11/08/11, per D&R westside OA Paul P	1/31/2012	Lee, Gerald W.	Completed
Seismic	474	D&R	JHT	2008		R-210	Corroded platform brackets	Scaffold and inspect bracket plates and bolts	Staging erected 12/10/09. DED B. Hulse following up with scheduling UT inspection of bracket & engineering reco. Week of 12/14/09.	8/28/2009	Lee, Gerald W.	Completed
Seismic	475	D&R	JHT	2008		F-210B	Anchor bolt nuts at top of anchor bolts SW corner	Run nuts down	D&R zone pipefitters scheduled to complete this work on Tuesday 12/8/09.	8/28/2009	Lee, Gerald W.	Completed
Seismic	476	D&R	JHT	2008		F210A	Anchor bolt nuts at top of anchor bolts and missing nut NE corner	Run nuts down and replace missing nuts	D&R zone pipefitters scheduled to complete this work on Tuesday 12/8/09.	8/28/2009	Lee, Gerald W.	Completed